



SHORT ANSWER QUESTIONS

1. What is Android?
2. What are the features of Android architecture?
3. List the languages used to build Android.
4. What is an activity?
5. What is a service in Android?
6. What is Google Android SDK? Which are the tools placed in Android SDK?
7. What is the use of Bundle in Android?
8. What is an Adapter in Android?
9. What is the life cycle of Android activity?
10. Explain Sensors in Android.
11. Explain the dialog boxes supported on Android.
12. What is AndroidManifest.xml file and why do you need this?
13. What is an intent?
14. What is context?
15. What is the Android Architecture?
16. What is the use of an activityCreator?
17. What is the importance of XML-based layouts?
18. What is Orientation?
19. What is the function of an intent filter?
20. When is the onStop() method invoked?

LONG ANSWER QUESTIONS

1. Explain all the features of Android platform.
2. Describe the Android Framework.
3. Explain the importance of having an emulator within the Android environment?
4. Differentiate Activities from Services.
5. Illustrate how to add and remove icons and widgets from the main screen of the Android device?
6. What are the different versions of Android OS that you remember?
7. Describe all the Application components.
8. Explain Android Architecture briefly.
9. Explain the life cycle of Android activity?
10. Explain the dialog boxes supported by the Android platform?
11. Explain the following categories of mobile applications
 - Native applications
 - Web application
 - Hybrid applications
12. Explain at least 3 challenges of mobile application developments.
13. Mention the difference between class, file and activity in Android?
14. Explain the difference between Implicit and Explicit Intent.
15. What is the latest version of Android? List all the versions of Android.
16. What are broadcast receivers? How is it implemented?
17. What database is used in Android? How it is different from client-server database management systems?
18. Differentiate Activities from Services.
19. What are the differences between Service and Thread?
20. What is the content provider? How it is implemented?

Total No. of Pages: 1

EXAMINATION ON DEMAND

B. Tech
CUTM1036

EOD Examination: 27 MAR 2022 & 03 APR 2022

Full Marks: 30

ANDROID APP DEVELOPMENT (SET-2)

Time: 2 Hrs.

*Answer Question No.1 which is compulsory and any Five from the rest.
The figure in the right hand margin indicates marks.*

PART - A

[5x1=5]

1. Answer All
 - a) What is meant by a Layout in Android application? Layouts are defined in which file generally.
 - b) What do you understand by an intent in Android Application?
 - c) State the difference between TextView and EditText.
 - d) What do you understand about BroadcastReceiver?
 - e) What do you know about ContentProvider?

PART - B

[5x5=25]

2. Write down the code to save a file in external storage in Android Studio?
3. Write down the code to save a file in internal storage using Android Studio?
4. What do you understand by Firebase? What are its functionalities? Discuss with applications.
5. What is SQLite database? Describe its usage with code.
6. What do you mean by BroadcastReceiver? Give some examples of BroadcastReceivers. How it is different from an Activity? How to register a BroadcastReceiver? Discuss about implementing the registration of a BroadcastReceiver.
7. What is meant by OkHTTP? Write down the steps to implement OkHTTP with code examples.
8. Write short notes on any Two:-
 - a) Res folder in Android App Project.
 - b) Gradle.build.
 - c) Permissions in Android App.

[2x2.5]

Total No. of Pages: 1

EXAMINATION ON DEMAND

BTECH
CUTM1036

EOD Examination: JUN - JUL, 2022
ANDROID APP DEVELOPMENT

Full Marks: 30

Time: 2 Hrs.

*Answer Question No.1 which is compulsory and any Five from the rest.
The figure in the right hand margin indicates marks.*

PART - A

[5x1=5]

1. Answer All:

- a. What built-in database is Android shipped with?
- b. What is the driving force behind an Android application and that ultimately gets converted into a Dalvik executable?
- c. Status data will be exposed to the rest of the Android system via?
- d. What is contained within the Layout.xml file?
- e. What is contained within the manifest.xml file?

PART - B

[5x5=25]

2. Explain Basic Overview of an Android App?
3. Explain Android Activity Lifecycle?
4. Discuss wrap content and fill parent android application?
5. Explain Toast method in android applications?
6. Explain Android Checkbox and Android Radio Button Basics
7. Discuss Android List View and Android Web View?

8. Write short notes on any Two:-

[2x2.5]

- a) What is Manifest.xml in android?
- b) Which file specifies the layout of your screen?
- c) Explain Edit Text Vs Text View